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(71) Applicant (for CA only): SHELL CANADA LIMITED  
[CA/CA]; 400-4TH Avenue S.W., Calgary, Alberta T2P  
2H5 (CA).

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(72) Inventor; and

(75) Inventor/Applicant (for US only): BLANGÉ, Jan-Jette  
[NL/NL]; Kesslerpark 1, NL-2288 GS Rijswijk (NL).

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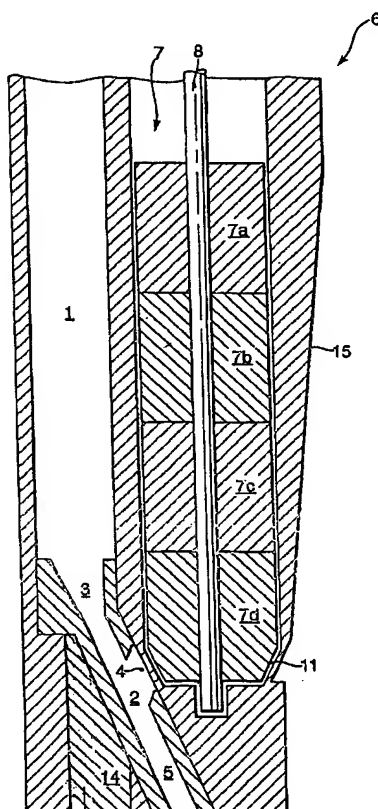
(71) Applicant (for all designated States except CA,  
US): SHELL INTERNATIONALE RESEARCH  
MAATSCHAPPIJ B.V. [NL/NL]; Carel van Bylandtlaan  
30, NL-2596 HR The Hague (NL).

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(54) Title: DEVICE FOR TRANSPORTING PARTICLES OF A MAGNETIC MATERIAL AND TOOL COMPRISING SUCH A  
DEVICE



(57) Abstract: A device for transporting particles containing a magnetic material in a selected direction, comprising: a magnet (7) arranged to generate a magnetic field for retaining the particles on a support surface (15) whereby the magnetic field on the support surface comprises a high-field band, a low-field band, and a magnetic field gradient between said high- and low-field bands; means for advancing the high- and low-field bands relative to the support surface (15) in a direction having a component in the direction of said magnetic field gradient, whereby the high-field band is followed by the low-field band; whereby along said high-field band at least a first magnetic pole and a second magnetic pole of opposite polarity are arranged such that a first magnetic path on the support surface from the first magnetic pole to the second magnetic pole is shorter than a second magnetic path on the support surface crossing the gradient zone from the first magnetic pole to any other nearest magnetic pole of opposite polarity.



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